	Application No.	Applicant(s)	
Notice of Allowability	09/770,056	LETTE ET AL.	
	Examiner	Art Unit	
	Philip C. Lee	2152	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *3/1/07*.

2. ☒ The allowed claim(s) is/are *1-21,23-30 and 32*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *5/11/07* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

BUNJOB JAROENCHONWANIT
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone interview with

Carlos Garritano, reg. no. 58,041, on May 11, 2007.

3.   The application has been amended as follows:

a.   Replace the paragraph on page 7, lines 16-25 of the specification to read as of the

following:

As used in this application, the terms "allocator", "identifier", "associator", "resource

manager" and "router" are intended to refer to a computer-related entity; either hardware, or a

combination of hardware and software, ~~software, or software in execution~~. For example, an

allocator may be, but is not limited to being, ~~a process,~~ a process running on a processor, a

processor, an object, an executable, a thread of execution, an executable instruction, a program

and a computer. By way of illustration, both an application running on a server and the server

upon which the application is running can be an allocator. By way of further illustration, an

allocator can be a single machine executable instruction or a collection of machine executable

instructions. One or more allocators can reside within one computer program, process and/or

thread.

b.   Replace claim 1 to read as of the following,

In Claim 1,

1.   (Currently amended) A system for pre-allocating at least one resource,

comprising:

an allocator that pre-allocates the at least one resource based at least in part on an

association between the at least one resource and a first resource manager, a resource capacity

and a resource location, the first resource manager is one of a plurality of collaborating resource

managers that manage the at least one resource;

an identifier that determines whether a consumer utilizing the at least one resource is a

registering consumer or a registered consumer;

an associator that associates the at least one pre-allocated resource with the first resource

manager, the first resource manager operable to manage the at least one pre-allocated resource

for the registering consumer;

a router that routes a request requiring access to the at least one resource associated with

the registering consumer to the first resource manager, the router utilizes an algorithm to route

the request to the first resource manager, the algorithm includes routing the request in a round-

robin fashion to each of the collaborating resource managers based on an analysis of the request

and mapping information that identifies which of the plurality of collaborating resource

managers received replicated information and generated data associated with the registering

consumer, wherein the request will not be routed to the plurality of collaborating resource

managers that have not received replicated information and generated data associated with the

registering consumer ~~associated with the at least one resource~~; and

a replicator that propagates information and generated data associated with the registering

consumer to a disparate plurality of resource managers collaborating in managing the at least one

resource and the router.

c.   Cancel claim 22,

22. (Canceled)

d.   Replace claim 23 to read as of the following,

In the claim 23,

23. (Currently amended) A method for processing requests from a registering consumer,

comprising:

pre-allocating one or more resources for one or more registering consumers based on resource

type, resource location, resource capacity, resource availability and an association between the

one or more resources and a first resource managing component that comprises one of a plurality

of collaborating resource managers that manage the at least one resource;

determining whether data concerning the registering consumer has been replicated to a plurality

of disparate resource managing components collaborating in managing the at least one resource;

associating one or more of the pre-allocated resources with the first resource managing

component, the first resource managing component operable to manage the one or more pre-

allocated resources for the registering consumer;

associating the registering consumer with the first resource managing component;

and

routing a request from the registering consumer that requires access to a resource to the first

resource managing component, the routing utilizes a round robin algorithm to direct the request

to each of the plurality of collaborating resource managers based on an analysis of the request

and mapping information that identifies which of the plurality of collaborating resource

managers received replicated information and generated data associated with the registering

consumer, wherein the request will not be routed to the plurality of collaborating resource

managers that have not received replicated information and generated data associated with the

registering consumer associated with the one or more resources.

       e.   Replace claim 32 to read as of the following,

      In claim 32,

32. (Currently amended) A system for pre-allocating at least one resource, comprising:

means for pre-allocating the at least one resource for consumption by a consumer based at least

in part on a resource type, a resource capacity, a resource location [[and]] , a resource availability

and an association between the one or more resources and a first resource managing component

that comprises one of a plurality of collaborating resource managers that manage the at least one

resource;

means for determining whether data concerning the consumer has been replicated to one or more

resource managing components collaborating in managing the at least one resource;

means for associating the at least one pre-allocated resource with a first resource managing

component that acts in collaboration with a plurality of resource managing components, where

the first resource managing component manages the at least one pre-allocated resource for the

consumer before the data concerning the consumer has been replicated to the one or more

resource managing components; and

means for routing a request generated by the consumer, for whom data has not been replicated to

the one or more resource managing components, to the first resource managing component based

on utilization of a round robin routing algorithm, an analysis of the request and mapping

information that identifies which of the plurality of collaborating resource managers received

replicated information and generated data associated with the registering consumer, wherein the

request will not be routed to the plurality of collaborating resource managers that have not

received replicated information and generated data associated with the registering consumer

~~associated with the at least one resource~~.

Reason for Allowance

4.   The following is an examiner's statement of reasons for allowance: None of the prior art

of records teach or suggest in combination a system comprising: an allocator that pre-allocates
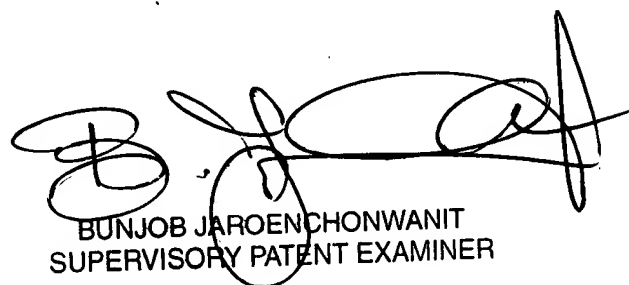
the at least one resource based at least in part on an association between the at least one resource

and a first resource manager, a resource capacity and a resource location, the first resource

manager is one of a plurality of collaborating resource managers that manage the at least one

resource; an identifier that determines whether a consumer utilizing the at least one resource is a

registering consumer or a registered consumer; an associator that associates the at least one pre-

allocated resource with the first resource manager, the first resource manager operable to manage

the at least one pre-allocated resource for the registering consumer; a router that routes a request

requiring access to the at least one resource associated with the registering consumer to the first

resource manager, the router utilizes an algorithm to route the request to the first resource

manager, the algorithm includes routing the request in a round-robin fashion to each of the

collaborating resource managers based on an analysis of the request and mapping information

that identifies which of the plurality of collaborating resource managers received replicated

information and generated data associated with the registering consumer, wherein the request

will not be routed to the plurality of collaborating resource managers that have not received

replicated information and generated data associated with the registering consumer; and a

replicator that propagates information and generated data associated with the registering

consumer to a disparate plurality of resource managers collaborating in managing the at least one

resource and the router.

5.   The issued apparatus (system) claims are intended to refer to hardware and a combination

of hardware and software.

6.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Philip C Lee whose telephone number is (571)272-3967. The

examiner can normally be reached on 8 AM TO 5:30 PM Monday to Thursday and every other

Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Bunjob Jaroenchonwanit can be reached on (571) 272-3913. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

P.L.

BUNJOB JAROENCHONWANIT
SUPERVISORY PATENT EXAMINER